

Butanedioic acid, 2,3-bis(hydroxymethyl)...

- acid, *N*-(aminoiminomethyl)- [6133-30-8]
 —, 2,3-bis(hydroxymethyl)-
 di- β -lactone — see [3,3'-Bioxetane]-2,2'-dione [5653-92-9]
 di- γ -lactone — see 1*H*,4*H*-Furo[3,4-*c*]furan-1,4-dione, tetrahydro- [5653-81-6]
 —, 2,3-bis(2-hydroxy-2-phenylethenyl)-
 di- γ -lactone — see [3,3'-Bifuran]-2,2'(3*H*,3'*H*)-dione, 5,5'-diphenyl- [5653-94-1]
 —, carboxy-
 See 1,1,2-Ethanetricarboxylic acid [922-84-9]
 —, 2,3-diamino-
 See Aspartic acid, 3-amino- [921-52-8]
 —, 2,3-dihydroxy- [526-83-0]
 The [R-(R*,R*)]-stereoisomer ((+)-tartaric acid) [87-69-4] has been assumed unless otherwise specified or implied in the original document. Entries are made at the index name for that isomer [526-83-0]
 Addition products of 2,3-dihydroxybutanedioic acid are indexed as salts of the organic bases with which it combines, except for those of cyclohexanamine, *N*-cyclohexylcyclohexanamine and phenylmethyl carbamimidothioate, which are indexed at this heading [526-83-0]
 Cyclic derivatives of 2,3-dihydroxybutanedioic acid are indexed at the ring names; thus, the cyclic sulfite is indexed at 1,3,2-Dioxathiolane-4,5-dicarboxylic acid, 2-oxide
 anhydride with carbonic acid (1:2), cyclic 1,2,4,3-diester — see [4,4'-Bi-1,3-dioxolane]-2,2',5,5'-tetrone [5997-40-0]
 bimol. cyclic 1,2':1,2-ester — see 1,4-Dioxane-2,5-diacetic acid, α,α' -dihydroxy-3,6-dioxo- [4450-95-7]
 methylene ether — see 1,3-Dioxolane-4,5-dicarboxylic acid [5754-29-0]
Butanedioic acid, 2,3-dihydroxy-
 [R-(R*,R*)]-, compounds
 For antimony-contg. complexes see such headings as Antimonate(2-), bis[μ -(2,3-di(hydroxy- κ O)-butanedioato(4-)- κ O¹: κ O⁴)]di-, dipotassium, trihydrate, stereoisomer [28300-74-5]
 antimony potassium salt — see also Antimonate(2-), bis[μ -(2,3-di(hydroxy- κ O)-butanedioato(4-)- κ O¹: κ O⁴)]di-, dipotassium, trihydrate, stereoisomer [28300-74-5]
Butanedioic acid
 —, (1-hydroxycyclododecyl)-
 γ -lactone — see 1-Oxaspiro[4.11]hexadecane-4-carboxylic acid, 2-oxo- [15210-24-9]
 —, (1-hydroxycyclohexyl)-
 γ -lactone — see 1-Oxaspiro[4.5]decane-4-carboxylic acid, 2-oxo- [2819-56-9]
 —, (1-hydroxycyclopentyl)-
 γ -lactone — see 1-Oxaspiro[4.4]nonane-4-carboxylic acid, 2-oxo- [18363-10-5]
 —, (2-hydroxycyclopentyl)-
 γ -lactone — see 2*H*-Cyclopenta[b]furan-3-acetic acid, hexahydro-2-oxo- [3128-10-7]
 —, (1-hydroxyethoxy)-
 γ -lactone — see 1,3-Dioxolane-4-acetic acid, 2-methyl-5-oxo- [5702-93-2]
 δ -lactone — see 1,3-Dioxane-4-carboxylic acid, 2-methyl-6-oxo- [18550-44-2]
 —, (2-hydroxyethoxy)-
 δ -lactone — see 1,4-Dioxane-2-acetic acid, 3-oxo- [3923-90-8]
 —, (1-hydroxyethyl)-
 γ -lactone — see 3-Furancarboxylic acid, tetrahydro-2-methyl-5-oxo- [28274-27-3]
 —, (2-hydroxyethyl)-
 γ -lactone — see 3-Furanacetic acid, tetrahydro-2-oxo- [13281-16-8]
 δ -lactone — see 2*H*-Pyr-4-carboxylic acid, tetrahydro-2-oxo- [5702-94-3]
 —, (9-hydroxy-9*H*-fluoren-9-yl)-
 γ -lactone — see Spiro[9*H*-fluorene-9,2'(3'*H*)-furan]-3'-carboxylic acid, 4',5'-dihydro-5'-oxo- [4440-31-7]
 —, (hydroxymethyl)-
 γ -lactone — see 3-Furancarboxylic acid, tetrahydro-5-oxo- [498-89-5]
 —, (1-hydroxy-3-methylbutyl)-
 γ -lactone — see 3-Furancarboxylic acid, tetrahydro-2-(2-methylpropyl)-5-oxo- [28379-03-5]
 —, (hydroxymethylene)-
 γ -lactone — see 3-Furancarboxylic acid, 4,5-dihydro-5-oxo- [585-68-2]
 —, (1-hydroxypropyl)-
 γ -lactone — see 3-Furancarboxylic acid, 2-ethyltetrahydro-5-oxo- [28274-28-4]
 —, (1-hydroxytetradecyl)-
 γ -lactone — see 3-Furancarboxylic acid, tetrahydro-5-oxo-2-tridecyl- [7316-76-9]
 —, 2,3-[methylenebis(oxy)]-
 See 1,3-Dioxolane-4,5-dicarboxylic acid [5754-29-0]
 —, 2,2'-(1-methylethylidene)bis(thio)]bis-cyclic 1,1'-stannylene deriv. — see 1,3,6,8,2-Dioxadithiastannecane-5,9-diacetic acid, 7,7-dimethyl-4,10-dioxo- [28274-29-5]
 —, sulfo-
 S-(phenylmercury) deriv. — see Mercurate(2-), phenyl(sulfo- κ O)-butanedioato(3-)- κ O¹-, dihydrogen [28274-43-3]
1,2-Butanediol
 cyclic ester with 6-hydroxyorthohexanoic acid ϵ -lactone — see 1,4,6-Trioxaspiro[4.6]undecane, 2-ethyl- [13858-13-4]
1,3-Butanediol [107-88-0]
 Cyclic derivatives of 1,3-butanediol are indexed at the ring names; thus, the cyclic sulfate is indexed at 1,3,2-Dioxathiane, 4-methyl-, 2,2-dioxide

cyclic thiosulfite —

see 1,3,2-Dioxathiane, 4-methyl-, 2-sulfide [3359-64-6]

1,4-Butanediol, compounds

spiro stannanetetrayl deriv. —

see 1,6,8,13-Tetraoxa-7-stannaspiro[6.6]tridecane [15431-17-1]

1,4-Butanediol [110-63-4], esters

Cyclic esters and other cyclic derivatives of 1,4-butanediol are indexed at the ring names. Thus, the cyclic sulfate is indexed at 1,3,2-Dioxathiepane, 2,2-dioxide

1,4-Butanediol

—, 2,3-epoxy-

See 2,3-Oxiranedimethanol [4440-87-3]

2,3-Butanediol [513-85-9]

Cyclic derivatives of 2,3-butanediol are indexed at the ring names; thus, the cyclic sulfate is indexed at 1,3,2-Dioxathiolane, 4,5-dimethyl-, 2,2-dioxide

cyclic orthocarbonate (2:1) —

see 1,4,6,9-Tetraoxaspiro[4.4]nonane, 2,3,7,8-tetramethyl- [24472-01-3]

1,3-Butanedione

—, 1,1'-(1,1'-ferrocenediyl)bis-

See Ferrocene, 1,1'-bis(1,3-dioxobutyl)- [12171-40-3]

—, 1-phenyl- [93-91-4]

Specific coordination compounds containing the 1-phenyl-1,3-butanediolato ligand are indexed only at the coordination headings, e.g., Copper, bis(1-phenyl-1,3-butanediolato-O,O')- [14128-84-8]. Nonspecific coordination compounds containing this ligand are indexed here and at the element headings. Specific coordination compounds containing other ligands derived from 1-phenyl-1,3-butanediol, e.g., the neutral ligand, are indexed here as well as at the specific coordination headings

—, 4,4,4-trifluoro-1-(2-thienyl)- [326-91-0]

Specific coordination compounds containing the 4,4,4-trifluoro-1-(2-thienyl)-1,3-butanediolato ligand are indexed only at the coordination headings, e.g., Copper, bis[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanediolato-O,O']- [13928-09-1]. Nonspecific coordination compounds containing this ligand are indexed here and at the element headings. Specific coordination compounds containing other ligands derived from 4,4,4-trifluoro-1-(2-thienyl)-1,3-butanediol, e.g., the neutral ligand, are indexed here as well as at the specific coordination headings

2,3-Butanedione

bis(aminoiminomethyl)hydrazone] —

see Hydrazinecarboximidamide, 2,2'-(1,2-dimethyl-1,2-ethanediylidene)bis- [1945-67-1]

mono(O-(carboxymethyl)oxime) — see Acetic acid, [(1-methyl-2-oxopropylidene)amino]-oxyl- [5806-97-3]

Butanedioneic acid

See Butanoic acid, 2,3-dioxo- [4374-46-3]

1,4-Butanediphosphonic acid

See Phosphonic acid, 1,4-butanediylbis- [4671-77-6]

1,4-Butanediphosphonyl chloride

See Phosphonic dichloride, 1,4-butanediylbis- [1660-97-5]

Butanefrine

See 1,2-Benzenediol, 4-(2-amino-1-hydroxybutyl)- [536-24-3]

Butanehydroximoyl disulfide

See Disulfide, bis(1-(hydroxyimino)butyl) [13951-52-5]

Butanenitrile [109-74-0]

See Butanoic acid headings for many nomenclature cross-references that will also be useful when searching for butanenitrile derivatives

—, 2-(cyanoamino)-

See Cyanamide, (1-cyanopropyl)- [25740-04-9]

—, 2-methyl-4-oxo-

cyclic 1,2-ethanediyl acetal —

see 1,3-Dioxolane-2-propanenitrile, α -methyl- [1468-51-5]

—, 2-phenyl-

See Benzeneacetone, α -ethyl- [769-68-6]

1-Butanephosphonamide

See Phosphonic diamide, *P*-butyl- [4671-83-4]

1-Butanephosphonic acid

See Phosphonic acid, butyl- [3321-64-0]

1-Butanephosphonous acid

See Phosphonous acid, butyl- [4741-16-6]

Butanephrine

See 1,2-Benzenediol, 4-(2-amino-1-hydroxybutyl)- [536-24-3]

Butane-silver

See Butane, compounds, mixt. with 2-methylpropane [54597-66-9]

1-Butanestannonic acid

See Stannane, butylhydroxyoxo- [2273-43-0]

1,2,3,4-Butanetetracarboxylic 1,2,3,4-dianhydride

See [3,3'-Bifuran]-2,2',5,5'-tetrone, tetrahydro- [4534-73-0]

1,2,3,4-Butanetetracarboxylic 1,2,3,4-diimide

See [3,3'-Bipyrrrolidine]-2,2',5,5'-tetrone [6536-86-3]

2,2,3,3-Butanetetracarboxylic 2,3,2,3-diimide

See Pyrrolidol[3,4-*c*]pyrrole-1,3,4,6(2*H*,5*H*)-tetrone, dihydro-3*a*,6*a*-dimethyl- [23601-33-4]

1,2,3,4-Butanetetrayl nitrate

See 1,2,3,4-Butanetetrol, tetranitrate [643-97-0]

1-Butanethiol [109-79-5]

In the absence of a function higher than thiol, 1-butanethiol derivatives attached directly to ring systems by single bonds are indexed at conjunctive names, e.g., Benzenebutanethiol; 1*H*-Indene-3-ethanethiol, β -ethyl-

Specific esters of acids with 1-butanethiol are indexed under the names of the acids only; metals and general studies of esters of 1-butanethiol are indexed at this heading

—, 2-ethyl-

Specific esters of acids with 2-ethyl-1-butanethiol

are indexed under the names of the acids only; metal salts and general studies of esters of 2-ethyl-1-butanethiol are indexed at this heading

2-Butanethiol [513-53-1]

Specific esters of acids with 2-butanethiol are indexed under the names of the acids only; metal salts and general studies of esters of 2-butanethiol are indexed at this heading

Butanilicaine

See Acetamide, 2-(butylamino)-*N*-(2-chloro-6-methylphenyl)- [3785-21-5]

Butanimidic acid

—, 4-hydroxy-

γ -lactone — see 2(3*H*)-Furanimine, dihydro- [4412-82-2]

—, 4-mercapto-

 γ -(thio lactone) —

see 2(3*H*)-Thiophenimine, dihydro- [6539-14-6]

3*a*,9*b*-Butano-1*H*-benz[e]indole

—, 2,3,4,5-tetrahydro-

(3*aS*-*cis*)- — see Hasubanan [14510-67-9]

3,4-Butanobenzofuran

See Cyclohepta[*cd*]benzofuran, 3,4,5,6-tetrahydro- [4429-73-6]

2,8-(Butanodiimino)dibenzofuran

See 2,8-(Iminobutanoimino)dibenzofuran [343-28-2]

8*b*,12*b*-Butano-8*a*,12*c*-ethanobenzo[3,4]cyclobuta-

[1,2-*l*]phenanthrene-13,14-dicarboxylic anhydride

See 8*b*,12*b*-Butano-8*a*,12*c*(3',4')-furanbenzo[3,4]-cyclobuta[1,2-*l*]phenanthrene-14,16-dione, 13,17-dihydro- [4435-31-8]

Butanoic acid [107-92-6]

In the absence of a function higher than carboxylic acid, when one or more butanoic acid residues are directly attached by single bonds to any ring system, including benzene, the compound is indexed at a conjunctive name based on the ring, e.g., 1*H*-Indole-4-butanoic acid; Benzeneacetic acid, α -ethyl-, as described in more detail by the note at Acetic acid

oxime — see Butanamide, *N*-hydroxy- [4312-91-8]

Butanoic acid, anhydrides

anhydride with isocyanic acid — see Butanoyl isocyanate [4378-07-8]

anhydride with isothiocyanic acid —

see Butanoyl isothiocyanate [28815-59-0]

Butanoic acid

—, 4-acetyl-3-oxo-

See Hexanoic acid, 3,5-dioxo- [2140-49-0]

—, *N*-acetyl-D-phenylalanyl-D-leucyl-L-

phenylalanyl-D-allothreonyl-L-valyl-L-alanyl-2,3-didehydro-2-amino-

λ -lactone — for specific stereoisomers see such headings as Antibiotic A 3302B [55599-68-3]

—, 2-amino-

bimol. cyclic anhydride —

see 2,5-Piperazinedione, 3,6-diethyl- [5625-42-3]

cyclic anhydride with alanine —

see 2,5-Piperazinedione, 3-ethyl-6-methyl- [5625-48-9]

Butanoic acid, 4-amino-, compounds

lactam — see 2-Pyrrolidinone [616-45-5]

Butanoic acid

—, 2-amino-4-[(2-amino-2-carboxyethyl)thio]-[R-(R*,S*)]- — see L-Homocysteine, S-[(2*R*)-2-amino-2-carboxyethyl]- [56-88-2]

—, 2-amino-4-(butylthio)-

See Homocysteine, S-butyl- [4378-14-7]

—, 3-amino-4-[(1-carboxy-2-hydroxyethyl)-amino]-4-oxo-

See Serine, α -aspartyl- [5694-28-0]

—, 3-amino-4-[(carboxymethylamino)-4-oxo-(S)- — see Glycine, L- α -aspartyl- [3790-51-0]

—, 2-amino-4-ethoxy-

See Homoserine, O-ethyl- [17804-70-5]

—, 2-amino-4-(ethylthio)-

(S)- — see L-Homocysteine, S-ethyl- [13073-35-3]

—, 2-amino-3-(glucopyranosyloxy)-

threo- — see Threonine, O-glucopyranosyl- [25349-85-3]

—, 2-amino-3-hydroxy-

[R-(R*,S*)]- — see L-Threonine [72-19-5]

[S-(R*,R*)]- — see L-Allothreonine [28954-12-3]

—, 2-amino-3-*allo*-hydroxy-

See Allothreonine [144-98-9]

—, 2-amino-4-hydroxy-

(S)- — see L-Homoserine [672-15-1]

—, 2-[(aminoiminomethyl)amino]-4-(methylthio)-

(S)- — see L-Methionine, *N*-(aminoiminomethyl)- [4381-80-0]

—, 2-amino-4-mercapto-

(S)- — see L-Homocysteine [6027-13-0]

γ -(thio lactone) —

see 2(3*H*)-Thiophenone, 3-aminodihydro- [10593-85-8]

—, 2-amino-3-methoxy-

erythro- — see Allothreonine, O-methyl- [2076-53-1]

threo- — see Threonine, O-methyl- [2076-57-5]

—, 2-amino-2-methyl-

(S)- — see L-Isovaline [595-40-4]

—, 2-amino-3-methyl-

(S)- — see L-Valine [72-18-4]

—, 2-amino-4-(methylthio)-

(S)- — see L-Methionine [63-68-3]

—, 2-amino-4-[(phenylmethyl)thio]-

See Homocysteine, S-(phenylmethyl)- [1017-76-1]

—, 2-amino-4-propoxy-

See Homoserine, O-propyl- [17268-94-9]

—, 4,4',4''-(1,2,3-benzenetriyl)tris-

See 1,2,3-Benzenetributanoic acid [23639-77-2]

—, 2-benzoyl-

See Benzenepropanoic acid, α -ethyl- β -oxo- [4385-98-2]